

## TECHNICAL DATA SHEET



### High temperature silicone FOME FLEX THERMO 315 °C

#### Description

High-temperature acetate silicone for red seams, for high temperature and vibration sealing. It is often used for sealing car engines, ducts and ovens - in places where high heat resistance is required. FOME FLEX THERMO is extremely elastic and resistant to chemical effects. Thermal resistance after hardening reaches even up to +315 °C. Seam mobility 20%.

#### Advantages

- high temperature resistance
- good adhesion to many building materials
- high resistance to UV rays
- fast hardening
- low shrinkage
- always a flexible connection
- excellent resistance to chemicals

#### Excellent adhesion to:

- Aluminum
- Cast iron ingot
- Stainless Steel
- Galvanized tin
- Ceramic tiles
- PS (polystyrene)
- Glass
- Raw wood
- Rigid PVC (polyvinyl chloride)

#### Areas of application

- sealing of car engine cylinder heads.
- sealing of refrigeration, ventilation, heating and air conditioning systems.
- sealing and connecting engines, transmissions, radiators and engine pumps.
- connection and sealing in areas exposed to high temperatures.

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### Technical data

Properties	Value
Base	Acetate silicone
Color	Red
Film formation	5-30 min.
Density	1.0-1.04
Sticky surface	5-15 min.
Full set speed	2-3 mm/24 h.
Modulus of elasticity at 100%	0.4-0.5 MPa
Elongation to break	105-119 %
Thermal resistance of the seam	-65 °C to +260 °C (+315)
Hardness A according to Shore (ISO 868)	24-30
Joint mobility	20 %
Resistance to frost during transportation	to -15 °C

### Certification

ISO 11600 : 2004, F&G, 20HM

### Conditions of use

The surfaces to be glued must be clean, dry (not matte), free of dust, rust, old bulk materials, oil, grease, paint and other impurities that reduce the adhesion of the sealant. It is best to degrease the surfaces with acetone or ethanol (glass, glaze, metal) or detergent (for synthetic materials). To avoid dirt around the gap and maintain an even line, use adhesive tapes, which should be removed immediately after sealing. Most surface sealers do not require the use of a primer, but some specific surfaces may require the use of a primer to improve adhesion. The width of the seam must be such that it can support the calculated movement of the sealant. (adaptation of movements).

### Instructions for use

Cut off the top of the cartouche. Screw on the bit and cut it at a 45° angle so that its diameter is equal to the width of the gap. Extrude the sealant with a mechanical or pneumatic gun. Apply the treatment within the shelf life specified in the technical data sheet. For the best result, the applied sealant should be smoothed immediately with a trowel. Remove the protective tape before the skin forms. The suture must be allowed to harden completely.

### Not suitable for use

- With concrete, plaster, brick, natural stones (granite, sandstone, marble)
- With bituminous surfaces, partially vulcanized rubber, chloroprene or other building materials that leak oil, plasticizers or solvents.
- On wet surfaces and places that will be under water or will have constant contact with it.
- Do not use on PE, PP.

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### Storage conditions

Guaranteed shelf life - 24 months from the date of manufacture, when stored in unopened original packaging at temperatures between +0 °C and +25 °C, in a dry and frost-protected place.

### Package

300 ml plastic cartridge, 12 cartridges in a box.

### Safety instructions

It is necessary to familiarize yourself with the safety data sheets of the product before use. Safety data sheets are available on request from official distributors.

### Waste management

Empty the packaging completely and dispose of it according to the requirements.